

In the Claims:

Please add new claims 24-27.

Please amend the claims as follow:

Sub B1
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CLAIM 1. (amended) A method for radiating thermal energy from a terrestrial position into deep space comprising:

arranging a thermal energy transmitting material over an object; and,
positioning said thermal energy transmitting material so that a transmitting surface thereof faces deep space, said material having spectral surface properties of high emissivity in a spectral band substantially transparent to the atmosphere of the earth, wherein said object includes objects on the surface of the earth and proximate thereto.

CLAIM 2. (amended) The method of Claim 1 wherein said object is covered with the transmitting material only at intervals during which the object is not in direct sunlight.

Sub B2
95
CLAIM 10. (amended) A device for transmitting thermal energy from an object into deep space comprising:

a thermal energy transmitting material designed to cover an object and positioned with a transmitting surface thereof facing deep space, said transmitting material having spectral surface properties of high emissivity in a spectral band substantially transparent to the atmosphere of the earth, wherein said object includes objects on the surface of the earth and proximate thereto.

CLAIM 19. (amended) An electricity generating device for use in an environment having an ambient pressure, comprising:

a first junction surface in thermal contact with one of deep space and solar energy;

a second junction surface in thermal contact with an object located at about a surface of the earth or proximate thereto; and

an electricity generating cell intermediate the first and second junction surfaces; wherein the first and second junction surfaces at a temperature different from each other producing a thermoelectric potential between the first and second junction surfaces.

CLAIM 20. (amended) The electricity generating device as set forth in claim 19; wherein the electricity generating cell has a thermal resistivity and further includes;

a first semiconductor material disposed between the first junction surface and the second junction surface, the first semiconductor material has a geometry which increases said thermal resistivity as compared to a second electricity generating cell having a first semiconductor material having a straight geometry which spans a substantially equivalent distance.

CLAIM 23. (amended) The device of Claim 22 wherein the heat transfer surface and at least a portion of the thermal energy transmitting material are disposed within a pressure cell having a pressure less than ambient pressure.

CLAIM 24. (new) The method of claim 1, wherein said object is located between about an altitude of flying aircraft and about the surface of the earth.

CLAIM 25. (new) The method of claim 10, wherein said object is located between about an altitude of flying aircraft and about the surface of the earth.